

Amendments to the Claims

Please cancel Claims 19-22, 24-47 and 50-56.

Please add new Claims 57-65.

The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing

1-56. (Canceled)

57. (New) An anti-idiotypic antibody, or functional fragment thereof, which is specific for cA2.

58. (New) An anti-idiotypic antibody of Claim 57 which binds to one or more CDRs of cA2 or A2.

59. (New) An anti-idiotypic antibody of Claim 57 which is murine.

60. (New) An anti-idiotypic antibody containing at least one antigen recognition site which mimics antigenic regions of human TNF- α , said anti-idiotypic antibody obtained from a hybridoma produced by fusing mouse splenocytes immunized with A2 or cA2 with myeloma cells.

61. (New) An immunoassay method for detecting an anti-TNF- α antibody in a sample, comprising:

- (a) contacting said sample with an anti-idiotypic antibody to an anti-TNF- α antibody, wherein the anti-TNF- α antibody comprises an amino acid sequence selected from the group consisting of SEQ ID NO:3 and SEQ ID NO:5, wherein the anti-idiotypic antibody is in detectably labeled form; and
- (b) detecting the binding of the anti-idiotypic antibody to the anti-TNF- α antibody, wherein the anti-TNF- α antibody in the sample is detected.

62. (New) An immunoassay method for detecting an anti-TNF- α antibody in a sample, comprising:
- (a) contacting said sample with the anti-idiotypic antibody of Claim 57, in detectably labeled form; and
 - (b) detecting the binding of the anti-idiotypic antibody to the anti-TNF- α antibody, wherein the anti-TNF- α antibody in the sample is detected.
63. (New) An immunoassay method for detecting an anti-TNF- α antibody in a sample, comprising:
- (a) contacting said sample with the anti-idiotypic antibody of Claim 58, in detectably labeled form; and
 - (b) detecting the binding of the anti-idiotypic antibody to the anti-TNF- α antibody, wherein the anti-TNF- α antibody in the sample is detected.
64. (New) An immunoassay method for detecting an anti-TNF- α antibody in a sample, comprising:
- (a) contacting said sample with the anti-idiotypic antibody of Claim 59, in detectably labeled form; and
 - (b) detecting the binding of the anti-idiotypic antibody to the anti-TNF- α antibody, wherein the anti-TNF- α antibody in the sample is detected.
65. (New) An immunoassay method for detecting an anti-TNF- α antibody in a sample, comprising:
- (a) contacting said sample with the anti-idiotypic antibody of Claim 60, in detectably labeled form; and
 - (b) detecting the binding of the anti-idiotypic antibody to the anti-TNF- α antibody, wherein the anti-TNF- α antibody in the sample is detected.